

## Indoor/Outdoor Riser Rated Drop Cable

Berk-Tek's Indoor/Outdoor Riser Rated Drop cable is designed for subscriber drop applications where low cost and easy access solutions are demanded. Suitable for use in aerial-lashed, direct burial, or in-conduit installations subject to wide temperature variations.

### Description

Berk-Tek's Indoor/Outdoor Riser Rated Drop cable is available with up to 12 multimode, single-mode and GIGAlite™ optical fibers. Optimized for FTTx, MDU/MTU installations in an all-dielectric design. Suitable for building entry and penetration of riser rated environment without requiring transition to indoor optical cabling.

### CONSTRUCTION

A single gel-filled buffer tube containing up to twelve 250 µm, individually colored fibers reinforced by strength yarns and a riser rated jacket. Suitable for aerial-lashed, direct buried, or conduit installations.

### OUTDOOR CONSIDERATION

Berk-Tek recommends that loose tube cables be utilized in indoor/outdoor installation environments. Loose tube cables are especially recommended if the interbuilding conduit system is above the frost line and likely to fill with water.

### STANDARDS

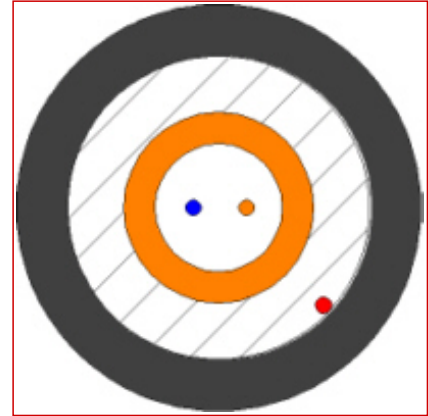
- International - ISO/IEC 11801
- European - EN 50173
- North American -
  - ANSI/TIA/EIA-568-B3
  - Telcordia GR-409
  - ICEA S-110-717

### APPLICATIONS

Berk-Tek's Indoor/Outdoor Loose Tube fiber optic cable is intended for all high speed data applications, including:

- IEEE 802.3 10GBASE-SR/SW
- IEEE 802.3 10GBASE-LX4
- IEEE 802.3 1000BASE-SX/LX 1000 Mb/s
- FDDI 100 Mb/s
- ATM 155 Mb/s 622 Mb/s 1.2/2.4 Gb/s
- Fibre Channel FC-PH 1.062 Gb/s

### FEATURES



### Standards

**International** EN 50173; ISO/IEC 11801

**National** ANSI/ICEA S-104-696; ICEA S-110-717; TIA/EIA-568-B ; Telcordia GR-409



RoHS conform  
Yes

## Indoor/Outdoor Riser Rated Drop Cable

- Riser rating enables installations to go directly from outside plant to riser shaft with no transition point requirement.
- High tensile strength, crush resistant and small diameter design.
- Single-mode, multimode and hybrid design options available.
- All dielectric design.
- Fully water-blocked core using dry water blocking system.
- Gel filled loose tubes
- Pre-terminated assemblies available.

### BENEFITS

- Compact riser rated, water blocked design optimized for indoor/outdoor drop cable installations.
- One cable design meeting all structured cabling applications .
- System grounding problems eliminated.
- Long-term reliability.
- Low cable plant maintenance, ease of installation.
- Reduce network costs.

### TEMPERATURE RATING

Operation -40°C to +75°C

Storage -40°C to +85°C

Installation -20°C to +60°C

### Characteristics

Construction characteristics	
Outer sheath	Riser
Usage characteristics	
RoHS conform	Yes

### Optical Performance Characteristics - All Fiber Counts

Optical performance	Attenuation, max. 1550 nm (cabled) [dB/km]	Attenuation, max. 850 nm (cabled) [dB/km]	Attenuation, max. 1310 nm (cabled) [dB/km]	Attenuation, max. 1300 nm (cabled) [dB/km]
AB (Single-mode, OS1)	0.3	-	0.4	-
CB (62.5/125 Standard, OM1)	-	3.5	-	1.0
EB (50/125 GIGAlite-10, OM3)	-	3.0	-	1.0
FB (50/125 GIGAlite 10-FB, OM4)	-	3.0	-	1.0



RoHS conform  
Yes

## Indoor/Outdoor Riser Rated Drop Cable

Optical performance	Attenuation, max. 1550 nm (cabled) [dB/km]	Attenuation, max. 850 nm (cabled) [dB/km]	Attenuation, max. 1310 nm (cabled) [dB/km]	Attenuation, max. 1300 nm (cabled) [dB/km]
GB (62.5/125 GIGAlite, OM1 + Extended Distance)	-	3.5	-	1.0
LB (50/125 GIGAlite, OM2+ Extended Distance)	-	3.0	-	1.0
XB (50/125 GIGAlite10-XB, OM4+ Extended Distance)	-	3.0	-	1.0
ZB (50/125 FDDI, OM2)	-	3.5	-	1.5

### Physical Characteristics - All Fiber Types

Nb optical fibres	Minimum Bending Radius - LongTerm [in]	Max. Load. Long Term (lbs) [lb]	Minimum Bending Radius - Install [in]	Approximate weight [lb/kft]	Maximum installation tension [lb]
2	2.5	90.0	3.8	26	300
4	2.5	90.0	3.8	26	300
6	2.5	90.0	3.8	26	300
8	2.5	90.0	3.8	26	300
10	2.5	90.0	3.8	26	300
12	2.5	90.0	3.8	26	300

### Product List

☎=Make to order, 📦=Make to stock

Part Number	Description
☎ OPRF002EB3010/25	Indoor/Outdoor Riser Rated Drop 002 Fiber, 50/125 micron, 2000/500 MHz•km
☎ OPRF002FB3010/F5	Indoor/Outdoor Riser Rated Drop 002 Fiber, 50/125 micron, 4700/500 MHz•km
☎ OPRF002XB3010/X5	Indoor/Outdoor Riser Rated Drop 002 Fiber, 50/125 micron, 4900/500 MHz•km
☎ OPRF002ZB3515/15	Indoor/Outdoor Riser Rated Drop 002 Fiber, 50/125 micron, 500/500 MHz•km FDDI
☎ OPRF002LB3010/75	Indoor/Outdoor Riser Rated Drop 002 Fiber, 50/125 micron, 950/500 MHz•km
☎ OPRF002CB3510/25	Indoor/Outdoor Riser Rated Drop 002 Fiber, 62.5/125 micron, 200/500 MHz•km
☎ OPRF002GB3510/25	Indoor/Outdoor Riser Rated Drop 002 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km
☎ OPRF002AB0403	Indoor/Outdoor Riser Rated Drop 002 Fiber, Enhanced Single-Mode
☎ OPRF004EB3010/25	Indoor/Outdoor Riser Rated Drop 004 Fiber, 50/125 micron, 2000/500 MHz•km
☎ OPRF004FB3010/F5	Indoor/Outdoor Riser Rated Drop 004 Fiber, 50/125 micron, 4700/500 MHz•km
☎ OPRF004XB3010/X5	Indoor/Outdoor Riser Rated Drop 004 Fiber, 50/125 micron, 4900/500 MHz•km
☎ OPRF004ZB3515/15	Indoor/Outdoor Riser Rated Drop 004 Fiber, 50/125 micron, 500/500 MHz•km FDDI
☎ OPRF004LB3010/75	Indoor/Outdoor Riser Rated Drop 004 Fiber, 50/125 micron, 950/500 MHz•km
☎ OPRF004CB3510/25	Indoor/Outdoor Riser Rated Drop 004 Fiber, 62.5/125 micron, 200/500 MHz•km
☎ OPRF004GB3510/25	Indoor/Outdoor Riser Rated Drop 004 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km

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## Indoor/Outdoor Riser Rated Drop Cable

Part Number	Description
☎ OPRF004AB0403	Indoor/Outdoor Riser Rated Drop 004 Fiber, Enhanced Single-Mode
☎ OPRF006EB3010/25	Indoor/Outdoor Riser Rated Drop 006 Fiber, 50/125 micron, 2000/500 MHz•km
☎ OPRF006FB3010/F5	Indoor/Outdoor Riser Rated Drop 006 Fiber, 50/125 micron, 4700/500 MHz•km
☎ OPRF006XB3010/X5	Indoor/Outdoor Riser Rated Drop 006 Fiber, 50/125 micron, 4900/500 MHz•km
☎ OPRF006ZB3515/15	Indoor/Outdoor Riser Rated Drop 006 Fiber, 50/125 micron, 500/500 MHz•km FDDI
☎ OPRF006LB3010/75	Indoor/Outdoor Riser Rated Drop 006 Fiber, 50/125 micron, 950/500 MHz•km
☎ OPRF006CB3510/25	Indoor/Outdoor Riser Rated Drop 006 Fiber, 62.5/125 micron, 200/500 MHz•km
☎ OPRF006GB3510/25	Indoor/Outdoor Riser Rated Drop 006 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km
☎ OPRF006AB0403	Indoor/Outdoor Riser Rated Drop 006 Fiber, Enhanced Single-Mode
☎ OPRF008EB3010/25	Indoor/Outdoor Riser Rated Drop 008 Fiber, 50/125 micron, 2000/500 MHz•km
☎ OPRF008FB3010/F5	Indoor/Outdoor Riser Rated Drop 008 Fiber, 50/125 micron, 4700/500 MHz•km
☎ OPRF008XB3010/X5	Indoor/Outdoor Riser Rated Drop 008 Fiber, 50/125 micron, 4900/500 MHz•km
☎ OPRF008ZB3515/15	Indoor/Outdoor Riser Rated Drop 008 Fiber, 50/125 micron, 500/500 MHz•km FDDI
☎ OPRF008LB3010/75	Indoor/Outdoor Riser Rated Drop 008 Fiber, 50/125 micron, 950/500 MHz•km
☎ OPRF008CB3510/25	Indoor/Outdoor Riser Rated Drop 008 Fiber, 62.5/125 micron, 200/500 MHz•km
☎ OPRF008GB3510/25	Indoor/Outdoor Riser Rated Drop 008 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km
☎ OPRF008AB0403	Indoor/Outdoor Riser Rated Drop 008 Fiber, Enhanced Single-Mode
☎ OPRF010EB3010/25	Indoor/Outdoor Riser Rated Drop 010 Fiber, 50/125 micron, 2000/500 MHz•km
☎ OPRF010FB3010/F5	Indoor/Outdoor Riser Rated Drop 010 Fiber, 50/125 micron, 4700/500 MHz•km
☎ OPRF010XB3010/X5	Indoor/Outdoor Riser Rated Drop 010 Fiber, 50/125 micron, 4900/500 MHz•km
☎ OPRF010ZB3515/15	Indoor/Outdoor Riser Rated Drop 010 Fiber, 50/125 micron, 500/500 MHz•km FDDI
☎ OPRF010LB3010/75	Indoor/Outdoor Riser Rated Drop 010 Fiber, 50/125 micron, 950/500 MHz•km
☎ OPRF010CB3510/25	Indoor/Outdoor Riser Rated Drop 010 Fiber, 62.5/125 micron, 200/500 MHz•km
☎ OPRF010GB3510/25	Indoor/Outdoor Riser Rated Drop 010 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km
☎ OPRF010AB0403	Indoor/Outdoor Riser Rated Drop 010 Fiber, Enhanced Single-Mode
☎ OPRF012EB3010/25	Indoor/Outdoor Riser Rated Drop 012 Fiber, 50/125 micron, 2000/500 MHz•km
☎ OPRF012FB3010/F5	Indoor/Outdoor Riser Rated Drop 012 Fiber, 50/125 micron, 4700/500 MHz•km
☎ OPRF012XB3010/X5	Indoor/Outdoor Riser Rated Drop 012 Fiber, 50/125 micron, 4900/500 MHz•km
☎ OPRF012ZB3515/15	Indoor/Outdoor Riser Rated Drop 012 Fiber, 50/125 micron, 500/500 MHz•km FDDI
☎ OPRF012LB3010/75	Indoor/Outdoor Riser Rated Drop 012 Fiber, 50/125 micron, 950/500 MHz•km
☎ OPRF012CB3510/25	Indoor/Outdoor Riser Rated Drop 012 Fiber, 62.5/125 micron, 200/500 MHz•km
☎ OPRF012GB3510/25	Indoor/Outdoor Riser Rated Drop 012 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km
☎ OPRF012AB0403	Indoor/Outdoor Riser Rated Drop 012 Fiber, Enhanced Single-Mode

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RoHS conform  
Yes

**Contact**

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fiber-pc.us@nexans.com

## Indoor/Outdoor Riser Rated Drop Cable

### Selling delivery information

PLEASE NOTE: In the interest of product improvement, Berk-Tek, a Nexans company may make improvements or changes in the products, the programs or services described at any time without notice. Additionally, the information contained herein may include typographical errors or technical inaccuracies. Changes will be periodically made to address any such issues.



RoHS conform  
Yes